



Bug 2453291 (CVE-2026-5201) - CVE-2026-5201 gdk-pixbuf: gdk-pixbuf: Denial of Service via heap-based buffer overflow when processing a specially crafted JPEG image

Keywords: Security

Reported: 2026-03-31 07:23 UTC by OSIDB Bzimport

Status: NEW

Modified: 2026-04-27 02:01 UTC ([History](#))

Alias: CVE-2026-5201

CC List: 0 users

Product: Security Response

Fixed In Version:

Component: vulnerability

Clone Of:

Version: unspecified

Environment:

Hardware: All

Last Closed:

OS: Linux

Embargoed:

Priority: high

Severity: high

Target Milestone: ---

Assignee: Product Security DevOps Team

QA Contact:

Docs Contact:

URL:

Whiteboard:

Depends On:

Blocks:

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

Attachments	(Terms of Use)
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Links

System	ID	Private	Priority	Status	Summary	Last Updated
Red Hat Product Errata	RHSA-2026:10707	0	None	None	None	2026-04-27 01:34:18 UTC
Red Hat Product Errata	RHSA-2026:10708	0	None	None	None	2026-04-27 02:01:49 UTC

OSIDB Bzimport	2026-03-31 07:23:34 UTC	Description
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Heap-Based Buffer Overflow vulnerability in the JPEG image loader of the gdk-pixbuf library. The flaw is caused by improper validation of color component counts in the `gdk_pixbuf__jpeg_image_load()` function, leading to insufficient memory allocation for pixel data. When a specially crafted JPEG image is processed, libjpeg writes more data than allocated, resulting in a heap buffer overflow. This can be triggered automatically via thumbnail generation without user interaction, causing application crashes and denial-of-service conditions. Claims of code execution are not reliably substantiated and require unrealistic conditions; however, the memory corruption and crash impact are confirmed with high confidence.

errata-xmlrpc 2026-04-27 01:34:17 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 10

Via RHSA-2026:10707 <https://access.redhat.com/errata/RHSA-2026:10707>

errata-xmlrpc 2026-04-27 02:01:48 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHSA-2026:10708 <https://access.redhat.com/errata/RHSA-2026:10708>

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