



Bug 2446453 (CVE-2026-4111) - CVE-2026-4111 libarchive: Infinite Loop Denial of Service in RAR5 Decompression via archive_read_data() in libarchive

Keywords:

Reported: 2026-03-11 11:27 UTC by OSIDB Bzimport

Status: NEW

Modified: 2026-03-24 09:55 UTC ([History](#))

Alias: CVE-2026-4111

CC List: 1 user ([show](#))

Product: Security Response

Fixed In Version:

Component: vulnerability

Clone Of:

Environment:

Version: unspecified

Last Closed:

Embargoed:

Hardware: All

OS: Linux

Priority: high

Severity: high

Target Milestone: ---

Assignee: Product Security DevOps Team

QA Contact:

Docs Contact:

URL:

Whiteboard:

Depends On: [2448049](#) [2448050](#) [2448051](#)

Blocks:


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

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

Links

| System | ID | Private | Priority | Status | Summary | Last Updated |
|------------------------|--------------------------------|---------|----------|--------|---------|-------------------------|
| Red Hat Product Errata | RHBA-2026:5253 | 0 | None | None | None | 2026-03-23 02:28:50 UTC |
| Red Hat Product Errata | RHBA-2026:5379 | 0 | None | None | None | 2026-03-23 11:25:35 UTC |
| Red Hat Product Errata | RHBA-2026:5507 | 0 | None | None | None | 2026-03-23 23:28:38 UTC |

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|------------------------|--------------------------------|---|------|------|------|-------------------------|
| Red Hat Product Errata | RHBA-2026:5510 | 0 | None | None | None | 2026-03-23 22:52:37 UTC |
| Red Hat Product Errata | RHBA-2026:5564 | 0 | None | None | None | 2026-03-24 09:55:04 UTC |
| Red Hat Product Errata | RHSA-2026:5063 | 0 | None | None | None | 2026-03-19 08:08:33 UTC |
| Red Hat Product Errata | RHSA-2026:5080 | 0 | None | None | None | 2026-03-19 11:39:52 UTC |

OSIDB Bzimport  2026-03-11 11:27:56 UTC[Description](#)

An Infinite Loop Denial-of-Service vulnerability exists in the RAR5 decompression implementation of libarchive. The flaw occurs in the `uncompress_file()` routine within `archive_read_support_format_rar5.c` due to a logical deadlock between the filter activation threshold and the half-window output limiter. When a specially crafted RAR5 archive is processed through `archive_read_data()`, the decompressor enters a state where neither the filter activation condition nor the output window progress condition can be satisfied. As a result, the loop continues indefinitely while consuming 100% CPU. Because the archive passes all CRC and checksum validation, the issue can be triggered using a valid-looking archive without authentication or user interaction. This allows attackers to exhaust worker threads or processing pipelines in applications that automatically extract or scan archives.

errata-xmlrpc 2026-03-19 08:08:32 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 10

Via [RHSA-2026:5063](#) <https://access.redhat.com/errata/RHSA-2026:5063>

errata-xmlrpc 2026-03-19 11:39:51 UTC

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This issue has been addressed in the following products:

Red Hat Enterprise Linux 9

Via RHA-2026:5080 <https://access.redhat.com/errata/RHA-2026:5080>

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