



Red Hat Product Errata    RHSA-2025:12098 - Security Advisory

# RHSA-2025:12098 - Security Advisory

Issued: 2025-07-29    Updated: 2025-07-29

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## Synopsis

Important: libxml2 security update

## Type/Severity

Security Advisory: Important

### Red Hat Lightspeed patch analysis

Identify and remediate systems affected by this advisory.

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## Topic

An update for libxml2 is now available for Red Hat Enterprise Linux 8.6 Advanced Mission Critical Update Support, Red Hat Enterprise Linux 8.6 Update Services for SAP Solutions, and Red Hat Enterprise Linux 8.6 Telecommunications Update Service.

Red Hat Product Security has rated this update as having a security impact of Important. A Common Vulnerability Scoring System (CVSS) base score, which gives a detailed severity rating, is available for each vulnerability from the CVE link(s) in the References section.

## Description

The libxml2 library is a development toolbox providing the implementation of various XML standards.

Security Fix(es):

- libxml2: Out-of-Bounds Read in libxml2 (CVE-2025-32414)
- libxml: Heap use after free (UAF) leads to Denial of service (DoS) (CVE-2025-49794)
- libxml: Type confusion leads to Denial of service (DoS) (CVE-2025-49796)
- libxml2: Integer Overflow in xmlBuildQName() Leads to Stack Buffer Overflow in libxml2 (CVE-2025-6021)

For more details about the security issue(s), including the impact, a CVSS score, acknowledgments, and other related information, refer to the CVE page(s) listed in the References section.

## Solution





For details on how to apply this update, which includes the changes described in this advisory, refer to:

<https://access.redhat.com/articles/11258> 

## Affected Products

- Red Hat Enterprise Linux for x86\_64 - Extended Update Support Extension 8.6 x86\_64
- Red Hat Enterprise Linux Server - AUS 8.6 x86\_64
- Red Hat Enterprise Linux Server - TUS 8.6 x86\_64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 8.6 ppc64le
- Red Hat Enterprise Linux for x86\_64 - Update Services for SAP Solutions 8.6 x86\_64

## Fixes

- [BZ - 2358121](#)  - CVE-2025-32414 libxml2: Out-of-Bounds Read in libxml2
- [BZ - 2372373](#)  - CVE-2025-49794 libxml: Heap use after free (UAF) leads to Denial of service (DoS)
- [BZ - 2372385](#)  - CVE-2025-49796 libxml: Type confusion leads to Denial of service (DoS)
- [BZ - 2372406](#)  - CVE-2025-6021 libxml2: Integer Overflow in xmlBuildQName() Leads to Stack Buffer Overflow in libxml2


## CVEs

- [CVE-2025-6021](#)
- [CVE-2025-32414](#)
- [CVE-2025-49794](#)
- [CVE-2025-49796](#)

## References

- <https://access.redhat.com/security/updates/classification/#important>

The Red Hat security contact is [secalert@redhat.com](mailto:secalert@redhat.com). More contact details at <https://access.redhat.com/security/team/contact/>.



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✓ All systems operational



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