



Red Hat Product Errata RHSA-2025:22607 - Security Advisory

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Issued: 2025-12-02 Updated: 2025-12-02

[Overview](#)[Updated Packages](#)

Synopsis

Important: expat security update

Type/Severity

Security Advisory: Important

Red Hat Lightspeed patch analysis

Identify and remediate systems affected by this advisory.

[View affected systems](#) 

Topic

An update for expat is now available for Red Hat Enterprise Linux 8.8 Update Services for SAP Solutions and Red Hat Enterprise Linux 8.8 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

Expat is a C library for parsing XML documents.

Security Fix(es):

- expat: internal entity expansion (CVE-2013-0340)
- expat: integer overflow in the doProlog function (CVE-2022-23990)
- libexpat: expat: Improper Restriction of XML Entity Expansion Depth in libexpat (CVE-2024-8176)
- expat: libexpat in Expat allows attackers to trigger large dynamic memory allocations via a small document that is submitted for parsing (CVE-2025-59375)

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 8.8 x86_64
- Red Hat Enterprise Linux Server - TUS 8.8 x86_64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 8.8 ppc64le
- Red Hat Enterprise Linux for x86_64 - Update Services for SAP Solutions 8.8 x86_64

Fixes


- [BZ - 1000109](#)  - CVE-2013-0340 expat: internal entity expansion
- [BZ - 2048356](#)  - CVE-2022-23990 expat: integer overflow in the doProlog function
- [BZ - 2310137](#)  - CVE-2024-8176 libexpat: expat: Improper Restriction of XML Entity Expansion Depth in libexpat
- [BZ - 2395108](#)  - CVE-2025-59375 expat: libexpat in Expat allows attackers to trigger large dynamic memory allocations via a small document that is submitted for parsing

CVEs

- [CVE-2013-0340](#) 
- [CVE-2022-23990](#) 
- [CVE-2024-8176](#) 

- [CVE-2025-59375](#) 

References

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

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



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