



Red Hat Product Errata RHSA-2025:11580 - Security Advisory

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Issued: 2025-07-23 Updated: 2025-07-23

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

Synopsis

Important: libxml2 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 libxml2 is now available for Red Hat Enterprise Linux 9.4 Extended Update Support.

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):

- 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 9.4 x86_64
- Red Hat Enterprise Linux Server - AUS 9.4 x86_64
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 9.4 s390x
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 9.4 ppc64le
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 9.4 aarch64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 9.4 ppc64le
- Red Hat Enterprise Linux for x86_64 - Update Services for SAP Solutions 9.4 x86_64
- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 9.4 aarch64
- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 9.4 s390x
- Red Hat Enterprise Linux for x86_64 - Extended Life Cycle 9.4 x86_64
- Red Hat Enterprise Linux for ARM 64 - Extended Life Cycle 9.4 aarch64
- Red Hat Enterprise Linux for Power, little endian - Extended Life Cycle 9.4 ppc64le
- Red Hat Enterprise Linux for IBM z Systems - Extended Life Cycle 9.4 s390x

Fixes

- [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

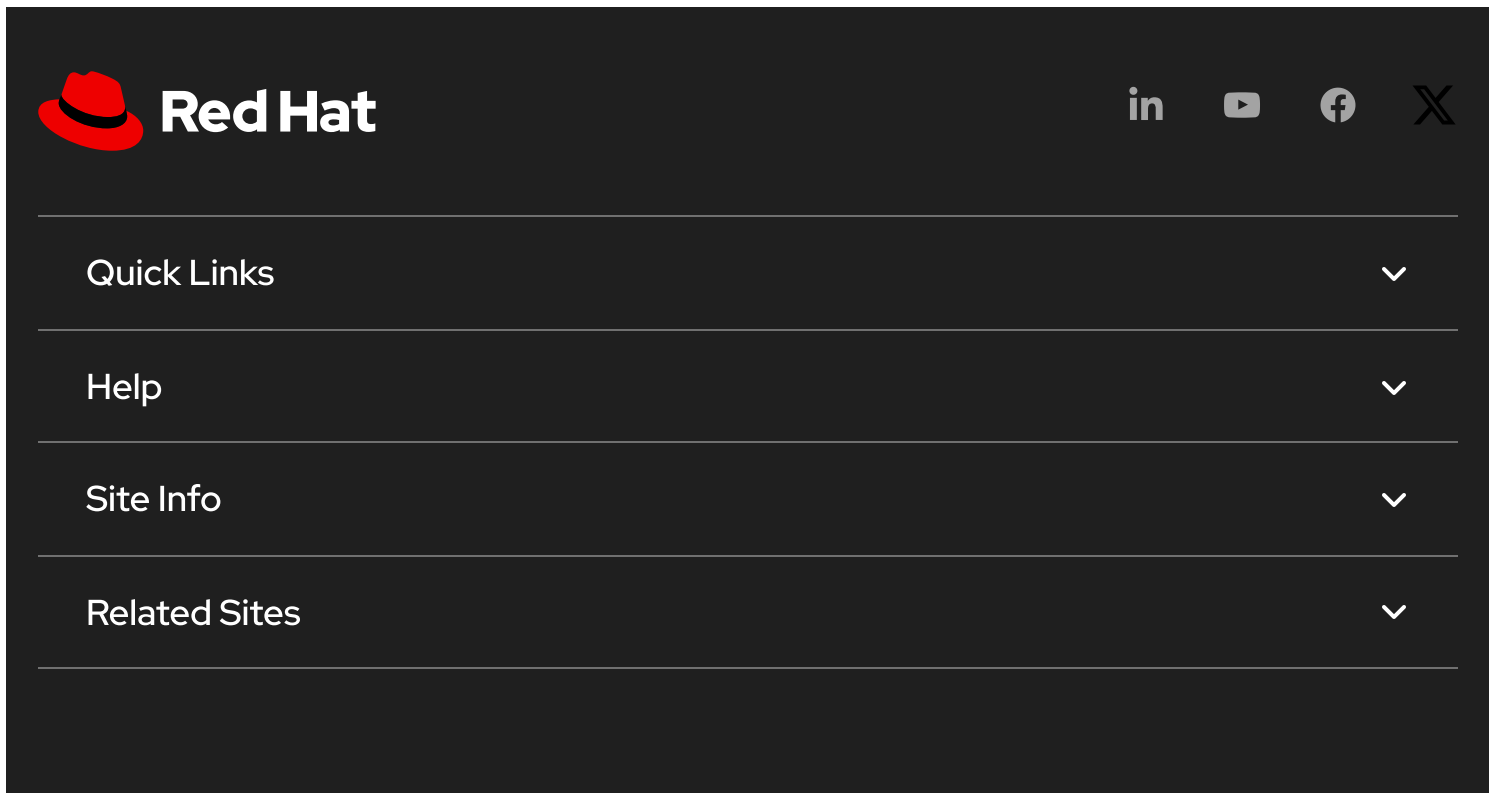
CVEs

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


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/>.



The image shows a dark-themed navigation bar for the Red Hat website. On the left is the Red Hat logo (a red hat) and the text "Red Hat". On the right are social media icons for LinkedIn, YouTube, Facebook, and X. Below these are four menu items: "Quick Links", "Help", "Site Info", and "Related Sites", each with a downward-pointing chevron icon to its right.

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