



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

# RHSA-2025:11580 - Security Advisory

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

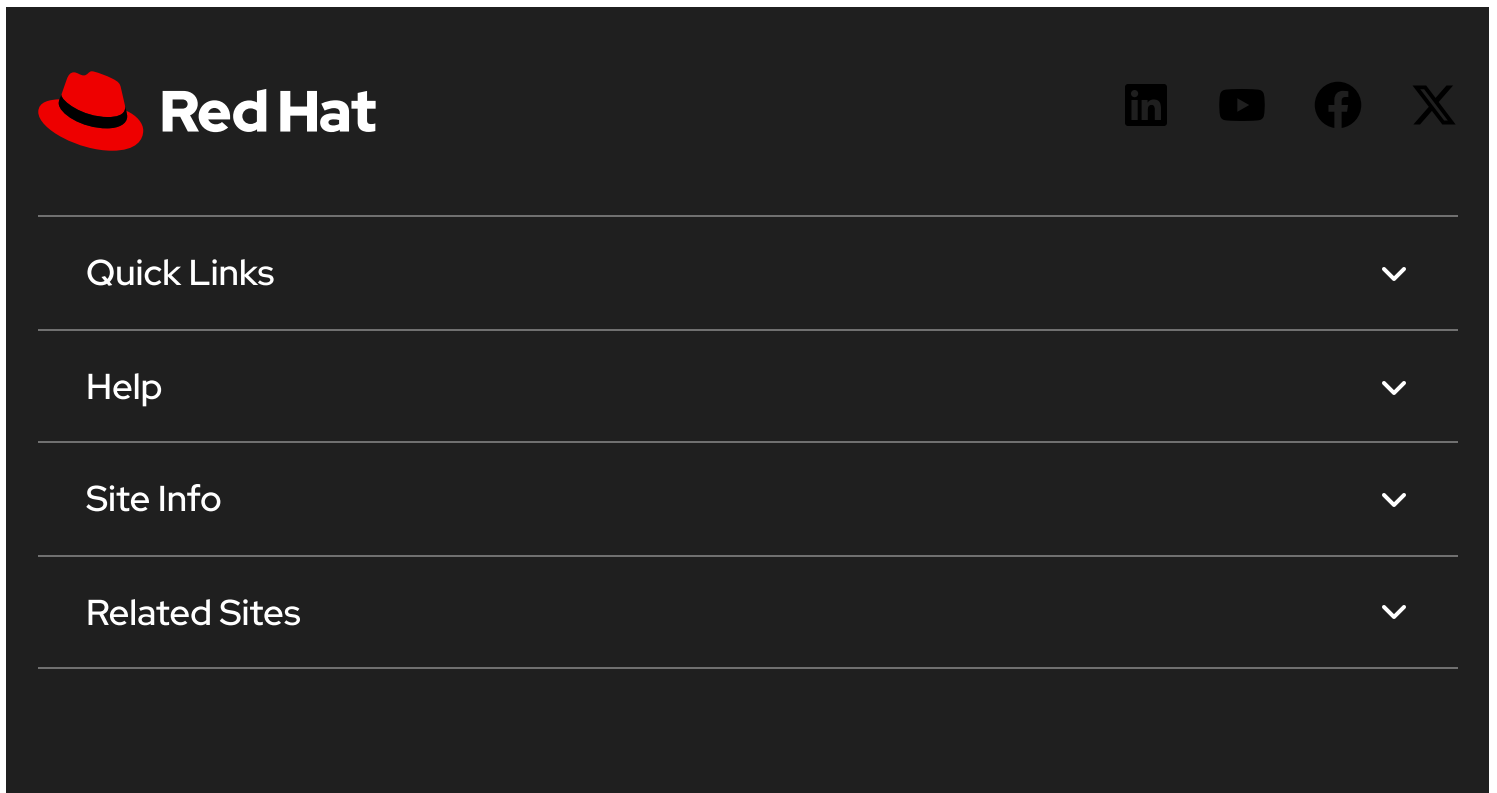
## CVEs

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


## References

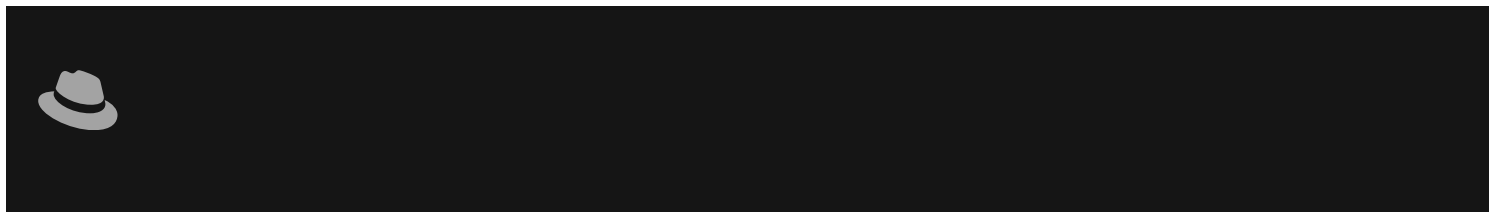
- <https://access.redhat.com/security/updates/classification/#important>

The Red Hat security contact is [secalert@redhat.com](mailto: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, consisting of a red fedora hat icon and the text "Red Hat". On the right are social media icons for LinkedIn, YouTube, Facebook, and X. Below the logo and icons is a vertical list of navigation items: "Quick Links", "Help", "Site Info", and "Related Sites". Each item has a white downward-pointing chevron icon to its right, indicating a dropdown menu.

 Partial system outage



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