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# RHSA-2025:23591 - Security Advisory

Issued: 2025-12-18

Updated: 2025-12-18

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

## Synopsis

Important: webkit2gtk3 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 webkit2gtk3 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

WebKitGTK is the port of the portable web rendering engine WebKit to the GTK platform.

Security Fix(es):

- webkit: WebKitGTK / WPE WebKit: Out-of-bounds read and integer underflow vulnerability leading to DoS (CVE-2025-13502)
- webkitgtk: A website may exfiltrate image data cross-origin (CVE-2025-43392)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43425)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43427)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43429)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43430)
- webkitgtk: Processing maliciously crafted web content may lead to memory corruption (CVE-2025-43431)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43432)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected Safari crash (CVE-2025-43434)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43440)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43443)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43421)
- webkit: WebKitGTK: Remote user-assisted information disclosure via file drag-and-drop (CVE-2025-13947)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-43458)
- webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash (CVE-2025-66287)

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 - 2416300](#)  - CVE-2025-13502 webkit: WebKitGTK / WPE WebKit: Out-of-bounds read and integer underflow vulnerability leading to DoS
- [BZ - 2416325](#)  - CVE-2025-43392 webkitgtk: A website may exfiltrate image data cross-origin
- [BZ - 2416327](#)  - CVE-2025-43425 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2416329](#)  - CVE-2025-43427 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2416330](#)  - CVE-2025-43429 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2416331](#)  - CVE-2025-43430 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2416332](#)  - CVE-2025-43431 webkitgtk: Processing maliciously crafted web content may lead to memory corruption
- [BZ - 2416334](#)  - CVE-2025-43432 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash

- [BZ - 2416335](#) - CVE-2025-43434 webkitgtk: Processing maliciously crafted web content may lead to an unexpected Safari crash
- [BZ - 2416336](#) - CVE-2025-43440 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2416337](#) - CVE-2025-43443 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2416355](#) - CVE-2025-43421 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2418576](#) - CVE-2025-13947 webkit: WebKitGTK: Remote user-assisted information disclosure via file drag-and-drop
- [BZ - 2418855](#) - CVE-2025-43458 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash
- [BZ - 2418857](#) - CVE-2025-66287 webkitgtk: Processing maliciously crafted web content may lead to an unexpected process crash

## CVEs

- [CVE-2025-13502](#)
- [CVE-2025-13947](#)
- [CVE-2025-43392](#)
- [CVE-2025-43421](#)
- [CVE-2025-43425](#)
- [CVE-2025-43427](#)
- [CVE-2025-43429](#)
- [CVE-2025-43430](#)
- [CVE-2025-43431](#)
- [CVE-2025-43432](#)
- [CVE-2025-43433](#)
- [CVE-2025-43434](#)
- [CVE-2025-43438](#)
- [CVE-2025-43440](#)
- [CVE-2025-43441](#)
- [CVE-2025-43443](#)
- [CVE-2025-43458](#)
- [CVE-2025-66287](#)

## References

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

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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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