



Red Hat Product Errata RHSA-2025:23583 - Security Advisory

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Issued: 2025-12-18 Updated: 2025-12-18

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

Synopsis

Important: webkitgtk4 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 webkitgtk4 is now available for Red Hat Enterprise Linux 7 Extended Lifecycle 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 port of the WebKit portable web rendering engine to the GTK+ platform. These packages provide WebKitGTK+ for GTK+ 3.

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 Server - Extended Life Cycle Support 7 x86_64
- Red Hat Enterprise Linux Server - Extended Life Cycle Support (for IBM z Systems) 7 s390x
- Red Hat Enterprise Linux Server - Extended Life Cycle Support for IBM Power, big endian 7 ppc64
- Red Hat Enterprise Linux Server - Extended Life Cycle Support for IBM Power, little endian 7 ppc64le

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>

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



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