Red Hat F

RHSA

5-05-13

Overview

Updated P

Synop

Importa

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 xorg-x11-server-Xwayland is now available for Red Hat Enterprise Linux 10.

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

Xwayland is an X server for running X clients under Wayland.

Security Fix(es):

- xorg-x11-server: tigervnc: heap-based buffer overflow privilege escalation vulnerability (CVE-2024-9632)
- X.Org: Xwayland: Use-after-free of the root cursor (CVE-2025-26594)
- xorg: xwayland: Use-after-free in SyncInitTrigger() (CVE-2025-26601)
- xorg: xwayland: Use-after-free in PlayReleasedEvents() (CVE-2025-26600)
- xorg: xwayland: Use of uninitialized pointer in compRedirectWindow() (CVE-2025-26599)
- xorg: xwayland: Out-of-bounds write in CreatePointerBarrierClient() (CVE-2025-26598)
- xorg: xwayland: Buffer overflow in XkbChangeTypesOfKey() (CVE-2025-26597)
- xorg: xwayland: Heap overflow in XkbWriteKeySyms() (CVE-2025-26596)
- Xorg: xwayland: Buffer overflow in XkbVModMaskText() (CVE-2025-26595)

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 10 x86_64
- Red Hat Enterprise Linux for x86_64 - Extended Update Support 10.0 x86_64
- Red Hat Enterprise Linux for IBM z Systems 10 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 10.0 s390x
- Red Hat Enterprise Linux for Power, little endian 10 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 10.0 ppc64le
- Red Hat Enterprise Linux for ARM 64 10 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 10.0 aarch64
- Red Hat CodeReady Linux Builder for x86_64 10 x86_64
- Red Hat CodeReady Linux Builder for Power, little endian 10 ppc64le
- Red Hat CodeReady Linux Builder for ARM 64 10 aarch64
- Red Hat CodeReady Linux Builder for IBM z Systems 10 s390x
- Red Hat CodeReady Linux Builder for x86_64 - Extended Update Support 10.0 x86_64
- Red Hat CodeReady Linux Builder for Power, little endian - Extended Update Support 10.0 ppc64le
- Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update Support 10.0 s390x
- Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support 10.0 aarch64
- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 10.0 aarch64

- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 10.0 s390x
- Red Hat Enterprise Linux for Power, little endian - 4 years of support 10.0 ppc64le
- Red Hat Enterprise Linux for x86_64 - 4 years of updates 10.0 x86_64

Fixes

- BZ - 2317233 - CVE-2024-9632 xorg-x11-server: tigervnc: heap-based buffer overflow privilege escalation vulnerability
- BZ - 2345248 - CVE-2025-26594 X.Org: Xwayland: Use-after-free of the root cursor
- BZ - 2345251 - CVE-2025-26601 xorg: xwayland: Use-after-free in SyncInitTrigger()
- BZ - 2345252 - CVE-2025-26600 xorg: xwayland: Use-after-free in PlayReleasedEvents()
- BZ - 2345253 - CVE-2025-26599 xorg: xwayland: Use of uninitialized pointer in compRedirectWindow()
- BZ - 2345254 - CVE-2025-26598 xorg: xwayland: Out-of-bounds write in CreatePointerBarrierClient()
- BZ - 2345255 - CVE-2025-26597 xorg: xwayland: Buffer overflow in XkbChangeTypesOfKey()
- BZ - 2345256 - CVE-2025-26596 xorg: xwayland: Heap overflow in XkbWriteKeySyms()
- BZ - 2345257 - CVE-2025-26595 Xorg: xwayland: Buffer overflow in XkbVModMaskText()
- RHEL-66317 - Drop unused build dependencies in Xwayland in el10
- RHEL-78562 - Please backport Fedora 40 changes in xorg-x11-server-Xwayland if needed (2025-02-09)

CVEs

- CVE-2024-9632
- CVE-2025-26594
- CVE-2025-26595
- CVE-2025-26596
- CVE-2025-26597
- CVE-2025-26598
- CVE-2025-26599
- CVE-2025-26600
- CVE-2025-26601

References

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

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

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