Red Hat P

RHSA

25-05-13

Overview

Updated Pa

Synop

Moderat

Type/Severity

Security Advisory: Moderate

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 9.

Red Hat Product Security has rated this update as having a security impact of Moderate. 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.

Additional Changes:

For detailed information on changes in this release, see the Red Hat Enterprise Linux 9 Release Notes linked from 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 9 x86_64
- Red Hat Enterprise Linux for x86_64 - Extended Update Support 9.6 x86_64
- Red Hat Enterprise Linux Server - AUS 9.6 x86_64
- Red Hat Enterprise Linux for IBM z Systems 9 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 9.6 s390x
- Red Hat Enterprise Linux for Power, little endian 9 ppc64le
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 9.6 ppc64le
- Red Hat Enterprise Linux for ARM 64 9 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 9.6 aarch64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 9.6 ppc64le
- Red Hat Enterprise Linux for x86_64 - Update Services for SAP Solutions 9.6 x86_64
- Red Hat CodeReady Linux Builder for x86_64 9 x86_64
- Red Hat CodeReady Linux Builder for Power, little endian 9 ppc64le
- Red Hat CodeReady Linux Builder for ARM 64 9 aarch64
- Red Hat CodeReady Linux Builder for IBM z Systems 9 s390x
- Red Hat CodeReady Linux Builder for x86_64 - Extended Update Support 9.6 x86_64
- Red Hat CodeReady Linux Builder for Power, little endian - Extended Update Support 9.6 ppc64le
- Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update Support 9.6 s390x
- Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support 9.6 aarch64

- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 9.6 aarch64
- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 9.6 s390x
- Red Hat Enterprise Linux for x86_64 - Extended Life Cycle 9.6 x86_64
- Red Hat Enterprise Linux for ARM 64 - Extended Life Cycle 9.6 aarch64
- Red Hat Enterprise Linux for Power, little endian - Extended Life Cycle 9.6 ppc64le
- Red Hat Enterprise Linux for IBM z Systems - Extended Life Cycle 9.6 s390x

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()

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/#moderate
- https://docs.redhat.com/en/documentation/red_hat_enterprise_linux/9/html/9.6_release_notes/index

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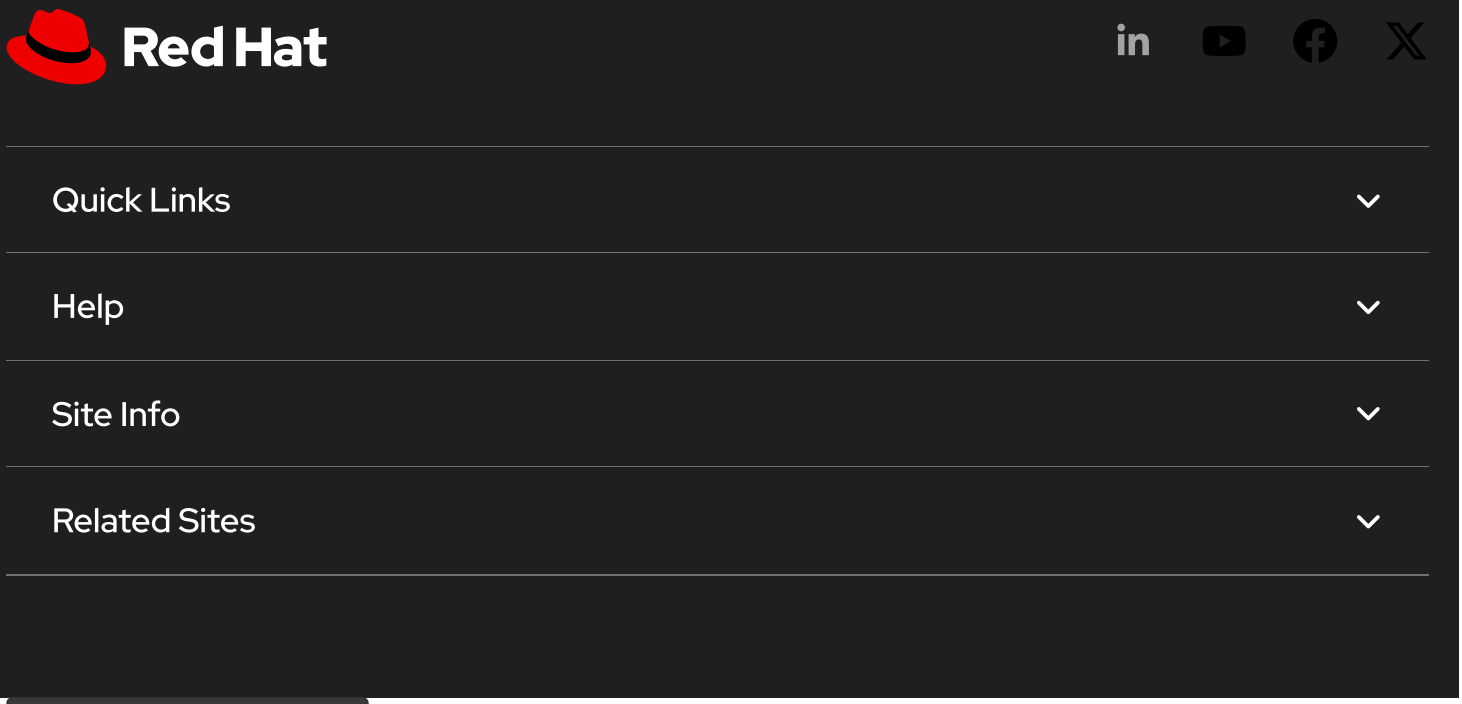
The Red Hat security contact is secalert@redhat.com. More contact details at https://access.redhat.com/security/team/contact/.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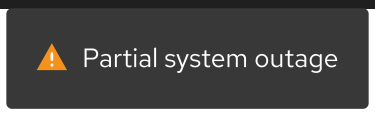
Partial system outage

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