

[Red Hat Product Errata](#)    [RHSA-2025:7163 - Security Advisory](#)

# RHSA-2025:7163 - Security Advisory

Issued: 2025-05-13    Updated: 2025-05-13

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

## Synopsis

Moderate: xorg-x11-server security update

## 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 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

X.Org is an open-source implementation of the X Window System. It provides the basic low-level functionality that full-fledged graphical user interfaces are designed upon.

## 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 SynclnitTrigger() (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
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- 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 SynclnitTrigger()
- [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](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](mailto:secalert@redhat.com). More contact details at <https://access.redhat.com/security/team/contact/>.



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