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# RHSA-2025:7458 - Security Advisory

Issued: 2025-05-13

Updated: 2025-05-13

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## Synopsis

Important: xorg-x11-server-Xwayland 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 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 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.

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



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