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## RHSA Advis

4-05-22

Overview

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## Synop

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In addition to the services they provide to Red Hat, certain Red Hat authorized partners may also use this data for their own purposes or for targeted advertising. This activity may qualify as a "sale" or "targeted advertising" under certain data protection laws. You can make choices using the buttons below to allow or prevent such uses.

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**Required Cookies only** will set your cookie preferences to "Required Cookies" only. This will prevent our partners from collecting and using this data but may also prevent us from providing you a personalized web experience and more relevant ads on third party websites. Cookie preferences will provide further information and allow you to customize your cookie settings. Setting your cookie preferences to "Required Cookies only" will opt you out of "sales" and "targeted advertising".

Topic

Clearing your browser cookies may delete your cookie preferences. If you re-visit this site after clearing browser cookies, you will need to reset your preferences at that time. If you have set your browser's global privacy

An update for xorg-x11-server-Xwayland is now available for Red Hat Enterprise Linux 8.

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: Out-of-bounds write in XIChangeDeviceProperty/RRChangeOutputProperty (CVE-2023-5367)
- xorg-x11-server: out-of-bounds memory reads/writes in XKB button actions (CVE-2023-6377)
- xorg-x11-server: out-of-bounds memory read in RRChangeOutputProperty and RRChangeProviderProperty (CVE-2023-6478)
- xorg-x11-server: Heap buffer overflow in DeviceFocusEvent and ProcXIQueryPointer (CVE-2023-6816)
- xorg-x11-server: reattaching to different master device may lead to out-of-bounds memory access (CVE-2024-0229)
- xorg-x11-server: SELinux unlabeled GLX PBuffer (CVE-2024-0408)
- xorg-x11-server: SELinux context corruption (CVE-2024-0409)
- xorg-x11-server: heap buffer overflow in XISendDeviceHierarchyEvent (CVE-2024-21885)
- xorg-x11-server: heap buffer overflow in DisableDevice (CVE-2024-21886)

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 8.10 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 8 x86\_64
- Red Hat Enterprise Linux for IBM z Systems 8 s390x
- Red Hat Enterprise Linux for Power, little endian 8 ppc64le
- Red Hat Enterprise Linux for ARM 64 8 aarch64
- Red Hat Enterprise Linux for x86\_64 - Extended Life Cycle 8.10 x86\_64
- Red Hat Enterprise Linux for ARM 64 - Extended Life Cycle 8.10 aarch64
- Red Hat Enterprise Linux for Power, little endian - Extended Life Cycle 8.10 ppc64le

- Red Hat Enterprise Linux for IBM z Systems - Extended Life Cycle 8.10 s390x

## Fixes

- [BZ - 2243091](#) [↗](#) - CVE-2023-5367 xorg-x11-server: Out-of-bounds write in XIChangeDeviceProperty/RRChangeOutputProperty
- [BZ - 2253291](#) [↗](#) - CVE-2023-6377 xorg-x11-server: out-of-bounds memory reads/writes in XKB button actions
- [BZ - 2253298](#) [↗](#) - CVE-2023-6478 xorg-x11-server: out-of-bounds memory read in RRChangeOutputProperty and RRChangeProviderProperty
- [BZ - 2256540](#) [↗](#) - CVE-2024-21885 xorg-x11-server: heap buffer overflow in XISendDeviceHierarchyEvent
- [BZ - 2256542](#) [↗](#) - CVE-2024-21886 xorg-x11-server: heap buffer overflow in DisableDevice
- [BZ - 2256690](#) [↗](#) - CVE-2024-0229 xorg-x11-server: reattaching to different master device may lead to out-of-bounds memory access
- [BZ - 2257689](#) [↗](#) - CVE-2024-0408 xorg-x11-server: SELinux unlabeled GLX PBuffer
- [BZ - 2257690](#) [↗](#) - CVE-2024-0409 xorg-x11-server: SELinux context corruption
- [BZ - 2257691](#) [↗](#) - CVE-2023-6816 xorg-x11-server: Heap buffer overflow in DeviceFocusEvent and ProcXIQueryPointer

## CVEs

- [CVE-2023-5367](#) [↗](#)
- [CVE-2023-6377](#) [↗](#)
- [CVE-2023-6478](#) [↗](#)
- [CVE-2023-6816](#) [↗](#)
- [CVE-2024-0229](#) [↗](#)
- [CVE-2024-0408](#) [↗](#)
- [CVE-2024-0409](#) [↗](#)
- [CVE-2024-21885](#) [↗](#)
- [CVE-2024-21886](#) [↗](#)

## References

- <https://access.redhat.com/security/updates/classification/#moderate> [↗](#)
- [https://access.redhat.com/documentation/en-us/red\\_hat\\_enterprise\\_linux/8/html/8.10\\_release\\_notes/index](https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html/8.10_release_notes/index) [↗](#)

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