



Red Hat Product Errata    RHSA-2024:0320 - Security Advisory

# RHSA-2024:0320 - Security Advisory

Issued: 2024-01-22    Updated: 2024-01-22

[Overview](#)

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## Synopsis

Important: xorg-x11-server 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 is now available for Red Hat Enterprise Linux 7.

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

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: 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.

## 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 Server 7 x86\_64
- Red Hat Enterprise Linux Server - Extended Life Cycle Support 7 x86\_64
- Red Hat Enterprise Linux Workstation 7 x86\_64
- Red Hat Enterprise Linux Desktop 7 x86\_64
- Red Hat Enterprise Linux for IBM z Systems 7 s390x
- Red Hat Enterprise Linux for Power, big endian 7 ppc64
- Red Hat Enterprise Linux for Scientific Computing 7 x86\_64
- Red Hat Enterprise Linux for Power, little endian 7 ppc64le
- Red Hat Enterprise Linux Server - Extended Life Cycle Support (for IBM z Systems) 7 s390x
- Red Hat Enterprise Linux Server - Extended Life Cycle Support for IBM Power, big endian 7 ppc64
- Red Hat Enterprise Linux Server - Extended Life Cycle Support for IBM Power, little endian 7 ppc64le

## Fixes

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

## 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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