



Red Hat Product Errata RHSA-2024:0009 - Security Advisory

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Issued: 2024-01-02 Updated: 2024-01-02

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

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: 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)

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 - 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

CVEs

- [CVE-2023-6377](#) 
- [CVE-2023-6478](#) 

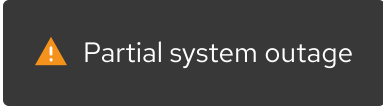
References

- <https://access.redhat.com/security/updates/classification/#important> 

The Red Hat security contact is secalert@redhat.com. More contact details at <https://access.redhat.com/security/team/contact/>.



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A dark grey notification box with a yellow warning triangle icon on the left and the text "Partial system outage" to its right.



The footer area is dark grey and contains a small grey hat icon on the left. To its right are three links: "About Red Hat", "Jobs", and "Events", listed vertically.

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