



# CVE-2022-4283

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2022-4283
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-12-14 21:15:00 UTC
<b>Updated</b>	2023-05-30 06:16:00 UTC
<b>Description</b>	A vulnerability was found in X.Org. This security flaw occurs because the XkbCopyNames function left a dangling pointer to

## Risk And Classification

**Problem Types:** CWE-416

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	36	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	37	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	6.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	9.0	All	All	All
Application	<a href="#">X.org</a>	<a href="#">Xorg-server</a>	1.20.4	All	All	All

## References

Reference	Source	Link
[SECURITY] Fedora 37 Update: xorg-x11-server-1.20.14-11.fc37 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="#">lists.fedo</a>
[SECURITY] Fedora 36 Update: xorg-x11-server-1.20.14-12.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="#">lists.fedo</a>
Debian -- Security Information -- DSA-5304-1 xorg-server	DEBIAN	<a href="#">www.deb</a>
[SECURITY] Fedora 37 Update: xorg-x11-server-1.20.14-11.fc37 - package-announce - Fedora Mailing-Lists	MISC	<a href="#">lists.fedo</a>
[SECURITY] Fedora 37 Update: xorg-x11-server-Xwayland-22.1.6-1.fc37 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="#">lists.fedo</a>
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	<a href="#">access.rr</a>

2151761 – (CVE-2022-4283) CVE-2022-4283 xorg-x11-server: X.Org Server XkbGetKbdByName use-after-free	MISC	<a href="#">bugzilla.r</a>
[SECURITY] Fedora 36 Update: xorg-x11-server-1.20.14-12.fc36 - package-announce - Fedora Mailing-Lists	MISC	<a href="#">lists.fedo</a>
[SECURITY] Fedora 37 Update: xorg-x11-server-Xwayland-22.1.6-1.fc37 - package-announce - Fedora Mailing-Lists	MISC	<a href="#">lists.fedo</a>
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	<a href="#">access.re</a>
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	<a href="#">access.re</a>
X.Org X server, XWayland: Multiple Vulnerabilities (GLSA 202305-30) — Gentoo security	MISC	<a href="#">security.g</a>
CVE Program record	CVE.ORG	<a href="#">www.cve</a>
NVD vulnerability detail	NVD	<a href="#">nvd.nist.g</a>

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">160370</a> Oracle Enterprise Linux Security Update for tigervnc (ELSA-2023-0045)
<a href="#">160375</a> Oracle Enterprise Linux Security Update for xorg-x11-server (ELSA-2023-0046)
<a href="#">160584</a> Oracle Enterprise Linux Security Update for tigervnc (ELSA-2023-2257)
<a href="#">160631</a> Oracle Enterprise Linux Security Update for xorg-x11-server (ELSA-2023-2248)
<a href="#">160633</a> Oracle Enterprise Linux Security Update for xorg-x11-server-xwayland (ELSA-2023-2249)
<a href="#">160654</a> Oracle Enterprise Linux Security Update for tigervnc (ELSA-2023-2830)
<a href="#">160677</a> Oracle Enterprise Linux Security Update for xorg-x11-server-xwayland (ELSA-2023-2805)
<a href="#">160679</a> Oracle Enterprise Linux Security Update for xorg-x11-server (ELSA-2023-2806)
<a href="#">181435</a> Debian Security Update for xorg-server (DSA 5304-1)
<a href="#">181498</a> Debian Security Update for xorg-server (DLA 3256-1)
<a href="#">184651</a> Debian Security Update for xwaylandxorg-server (CVE-2022-4283)
<a href="#">199077</a> Ubuntu Security Notification for X.Org X Server Vulnerabilities (USN-5778-1)
<a href="#">199494</a> Ubuntu Security Notification for X.Org X Server Vulnerabilities (USN-5778-2)
<a href="#">241038</a> Red Hat Update for tigervnc (RHSA-2023:0045)
<a href="#">241039</a> Red Hat Update for xorg-x11-server (RHSA-2023:0046)
<a href="#">241415</a> Red Hat Update for xorg-x11-server (RHSA-2023:2248)
<a href="#">241448</a> Red Hat Update for xorg-x11-server-xwayland (RHSA-2023:2249)
<a href="#">241454</a> Red Hat Update for tigervnc (RHSA-2023:2257)
<a href="#">241510</a> Red Hat Update for xorg-x11-server (RHSA-2023:2806)

<a href="#">241514</a> Red Hat Update for tigervnc (RHSA-2023:2830)
<a href="#">241537</a> Red Hat Update for xorg-x11-server-xwayland (RHSA-2023:2805)
<a href="#">257215</a> CentOS Security Update for xorg-x11-server (CESA-2023:0046)
<a href="#">257218</a> CentOS Security Update for tigervnc (CESA-2023:0045)
<a href="#">283512</a> Fedora Security Update for xorg (FEDORA-2022-c3a65f7c65)
<a href="#">283535</a> Fedora Security Update for xorg (FEDORA-2022-721a78b7e5)
<a href="#">283559</a> Fedora Security Update for xorg (FEDORA-2022-dd3eb7e0a8)
<a href="#">354751</a> Amazon Linux Security Advisory for xorg-x11-server : ALAS-2023-1689
<a href="#">355062</a> Amazon Linux Security Advisory for xorg-x11-server : AL2012-2023-386
<a href="#">355170</a> Amazon Linux Security Advisory for xorg-x11-server : ALAS2023-2023-102
<a href="#">377896</a> Alibaba Cloud Linux Security Update for tigervnc (ALINUX2-SA-2023:0002)
<a href="#">378649</a> Alibaba Cloud Linux Security Update for xorg-x11-server (ALINUX3-SA-2023:0062)
<a href="#">378653</a> Alibaba Cloud Linux Security Update for tigervnc (ALINUX3-SA-2023:0063)
<a href="#">379627</a> Alibaba Cloud Linux Security Update for xorg-x11-server-xwayland (ALINUX3-SA-2024:0044)
<a href="#">502971</a> Alpine Linux Security Update for xorg-server
<a href="#">502974</a> Alpine Linux Security Update for xwayland
<a href="#">505838</a> Alpine Linux Security Update for xorg-server
<a href="#">505841</a> Alpine Linux Security Update for xwayland
<a href="#">672598</a> EulerOS Security Update for tigervnc (EulerOS-SA-2023-1340)
<a href="#">672610</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-1344)
<a href="#">672786</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-1544)
<a href="#">672833</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-1569)
<a href="#">672888</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-1775)
<a href="#">672938</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-1797)
<a href="#">673075</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-2180)
<a href="#">673084</a> EulerOS Security Update for tigervnc (EulerOS-SA-2023-2176)
<a href="#">673169</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-2345)
<a href="#">673199</a> EulerOS Security Update for xorg-x11-server (EulerOS-SA-2023-2325)

<a href="#">691025</a> Free Berkeley Software Distribution (FreeBSD) Security Update for xorg (9fa7b139-c1e9-409e-bed0-006aadcf5845)
<a href="#">710738</a> Gentoo Linux X.Org X server, XWayland Multiple Vulnerabilities (GLSA 202305-30)
<a href="#">753006</a> SUSE Enterprise Linux Security Update for xorg-x11-server (SUSE-SU-2022:4482-1)
<a href="#">753007</a> SUSE Enterprise Linux Security Update for xorg-x11-server (SUSE-SU-2022:4481-1)
<a href="#">753008</a> SUSE Enterprise Linux Security Update for xorg-x11-server (SUSE-SU-2022:4479-1)
<a href="#">753009</a> SUSE Enterprise Linux Security Update for xorg-x11-server (SUSE-SU-2022:4480-1)
<a href="#">753010</a> SUSE Enterprise Linux Security Update for xorg-x11-server (SUSE-SU-2022:4484-1)
<a href="#">753011</a> SUSE Enterprise Linux Security Update for xorg-x11-server (SUSE-SU-2022:4483-1)
<a href="#">941008</a> AlmaLinux Security Update for tigervnc (ALSA-2023:2257)
<a href="#">941042</a> AlmaLinux Security Update for xorg-x11-server (ALSA-2023:2248)
<a href="#">941062</a> AlmaLinux Security Update for xorg-x11-server-Xwayland (ALSA-2023:2249)
<a href="#">941068</a> AlmaLinux Security Update for xorg-x11-server (ALSA-2023:2806)
<a href="#">941080</a> AlmaLinux Security Update for tigervnc (ALSA-2023:2830)
<a href="#">941119</a> AlmaLinux Security Update for xorg-x11-server-Xwayland (ALSA-2023:2805)

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