



# CVE-2022-34680

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

## Summary

<b>CVE</b>	CVE-2022-34680
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@nvidia.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-12-30 23:15:00 UTC
<b>Updated</b>	2023-10-19 01:19:00 UTC
<b>Description</b>	NVIDIA GPU Display Driver for Linux contains a vulnerability in the kernel mode layer handler, where an integer truncation

## Risk And Classification

**Problem Types:** CWE-681

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Citrix</a>	<a href="#">Hypervisor</a>	-	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	-	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Cloud Gaming</a>	All	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Geforce</a>	-	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Gpu Display Driver</a>	All	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Nvs</a>	-	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Quadro</a>	-	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Rtx</a>	-	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Tesla</a>	-	All	All	All
Application	<a href="#">Nvidia</a>	<a href="#">Virtual Gpu</a>	All	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux Kernel-based Virtual Machine</a>	-	All	All	All
Operating System	<a href="#">Vmware</a>	<a href="#">Vsphere</a>	-	All	All	All

## References

Reference	Source	Link	Tags
NVIDIA Drivers: Multiple Vulnerabilities (GLSA 202310-02) — Gentoo security	GENTOO	<a href="https://security.gentoo.org">security.gentoo.org</a>	

Security Bulletin: NVIDIA GPU Display Driver - November 2022   NVIDIA	MISC	<a href="https://nvidia.custhelp.com">nvidia.custhelp.com</a>	
[SECURITY] [DLA 3418-1] nvidia-graphics-drivers-legacy-390xx security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">181278</a> Debian Security Update for nvidia-graphics-drivers-tesla-460 (CVE-2022-34680)
<a href="#">181778</a> Debian Security Update for nvidia-graphics-drivers-legacy-390xx (DLA 3418-1)
<a href="#">296105</a> Oracle Solaris 11.4 Support Repository Update (SRU) 63.157.1 Missing (CPUOCT2023)
<a href="#">6140080</a> AWS Bottlerocket Security Update for kmod-nvidia (GHSA-jrxr-p287-mgw7)
<a href="#">710762</a> Gentoo Linux NVIDIA Drivers Multiple Vulnerabilities (GLSA 202310-02)

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