



# CVE-2022-42256

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

## Summary

<b>CVE</b>	CVE-2022-42256
<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 01:24:00 UTC
<b>Description</b>	NVIDIA GPU Display Driver for Linux contains a vulnerability in the kernel mode layer (nvidia.ko), where an integer overflow

## Risk And Classification

**Problem Types:** CWE-190

## 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="#">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="#">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>	
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

[181280](#) Debian Security Update for nvidia-graphics-drivers-tesla-460 (CVE-2022-42256)

[296105](#) Oracle Solaris 11.4 Support Repository Update (SRU) 63.157.1 Missing (CPUOCT2023)

[6140159](#) AWS Bottlerocket Security Update for kmod-nvidia (GHSA-7jc3-v42x-qwhr)

[710762](#) Gentoo Linux NVIDIA Drivers Multiple Vulnerabilities (GLSA 202310-02)

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