



# CVE-2022-31618

Published on: Not Yet Published

Last Modified on: 08/11/2022 12:17:00 PM UTC

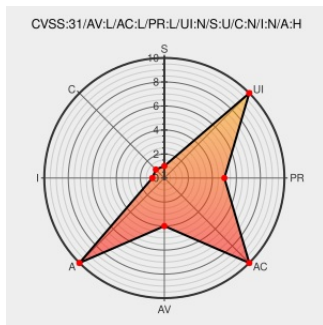
## CVE-2022-31618

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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Certain versions of [Virtual Gpu](#) from [Nvidia](#) contain the following vulnerability:

NVIDIA vGPU software contains a vulnerability in the Virtual GPU Manager (vGPU plugin), where it can dereference a null pointer, which may lead to denial of service.

CVE-2022-31618 has been assigned by [psirt@nvidia.com](mailto:psirt@nvidia.com) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: **NVIDIA - NVIDIA Virtual GPU Software and NVIDIA Cloud Gaming** version **vGPU version 14.x (prior to 14.2), version 13.x (prior to 13.4) and version 11.x (prior 11.9).**

CVSS3 Score: **5.5 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
<b>LOCAL</b>	<b>LOW</b>	<b>LOW</b>	<b>NONE</b>
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
<b>UNCHANGED</b>	<b>NONE</b>	<b>NONE</b>	<b>HIGH</b>

## CVE References

Description	Tags	Link
Security Bulletin: NVIDIA GPU Display Driver - August 2022   NVIDIA	<a href="#">nvidia.custhelp.com</a> <a href="#">text/html</a>	<b>MISC</b> <a href="https://nvidia.custhelp.com/app/answers/detail/a_id/5383">nvidia.custhelp.com/app/answers/detail/a_id/5383</a>

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There are currently no QIDs associated with this CVE

## Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Nvidia	Virtual Gpu	All	All	All	All
Application	Nvidia	Virtual Gpu	14.0	All	All	All
Application	Nvidia	Virtual Gpu	14.1	All	All	All
cpe:2.3:a:nvidia:virtual_gpu:*:*:*:*:*:						
cpe:2.3:a:nvidia:virtual_gpu:14.0:*:*:*:*:						
cpe:2.3:a:nvidia:virtual_gpu:14.1:*:*:*:*:						

No vendor comments have been submitted for this CVE

### Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-31618 : NVIDIA vGPU software contains a vulnerability in the Virtual GPU Manager vGPU plugin , where it c... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2022-08-05 20:39:15
 @threatmeter	CVE-2022-31618   NVIDIA vGPU Software Virtual GPU Manager null pointer dereference A vulnerability was found in NVI... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2022-08-08 07:51:03
 @ColorTokensInc	Emerging Vulnerability Found CVE-2022-31618 - NVIDIA vGPU software contains a vulnerability in the Virtual GPU Mana... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>	2022-08-08 07:51:10

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