

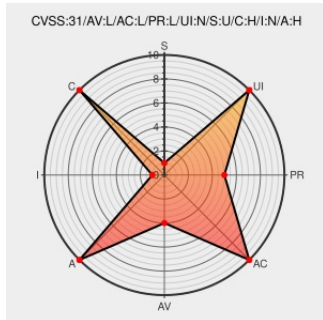


CVE-2020-5983

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CVE-2020-5983

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

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

NVIDIA Virtual GPU Manager contains a vulnerability in the vGPU plugin and the host driver kernel module, in which the potential exists to write to a memory location that is outside the intended boundary of the frame buffer memory allocated to guest operating systems, which may lead to denial of service or information disclosure. This affects vGPU version 8.x (prior to 8.5), version 10.x (prior to 10.4) and version 11.0.

CVE-2020-5983 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **NVIDIA - NVIDIA vGPU Software** version **vGPU version 8.x (prior to 8.5), version 10.x (prior to 10.4) and version 11.0.**

CVSS3 Score: **7.1 - HIGH**

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

CVSS2 Score: **3.6 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	NONE	PARTIAL

CVE References

Description	Tags	Link
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Description

Days

Links

Security Bulletin: NVIDIA GPU Display Driver - September 2020 | NVIDIA

Vendor Advisory

nvidia.custhelp.com

text/html

CONFIRM

nvidia.custhelp.com/app/answers/detail/a_id/5075

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Related QID Numbers

375756 Lenovo NVIDIA GPU Display Driver Multiple Vulnerabilities (LEN-47663)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Nvidia	Virtual Gpu Manager	All	All	All	All
Application	Nvidia	Virtual Gpu Manager	11.0	All	All	All
Application	Nvidia	Virtual Gpu Manager	All	All	All	All
Application	Nvidia	Virtual Gpu Manager	11.0	All	All	All

cpe:2.3:a:nvidia:virtual_gpu_manager:*****:.*

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cpe:2.3:a:nvidia:virtual_gpu_manager:11.0:*****:.*

No vendor comments have been submitted for this CVE

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