



CVE-2020-5971

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[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, in which the software reads from a buffer by using buffer access mechanisms such as indexes or pointers that reference memory locations after the targeted buffer, which may lead to code execution, denial of service, escalation of privileges, or information disclosure.

This affects vGPU version 8.x (prior to 8.4), version 9.x (prior to 9.4) and version 10.x (prior to 10.3).

CVE-2020-5971 has been assigned by psirt@nvidia.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **NVIDIA - NVIDIA vGPU Software** version **All**

CVSS3 Score: **7.8 - HIGH**

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

CVSS2 Score: **4.6 - MEDIUM**

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

CVE References

Description

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

Tags

Vendor Advisory

nvidia.custhelp.com

text/html

Link

 CONFIRM

nvidia.custhelp.com/app/answers/detail/a_id/5031

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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 Manager	All	All	All	All
Application	Nvidia	Virtual Gpu Manager	All	All	All	All
Application	Nvidia	Virtual Gpu Manager	All	All	All	All

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

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

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

No vendor comments have been submitted for this CVE

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